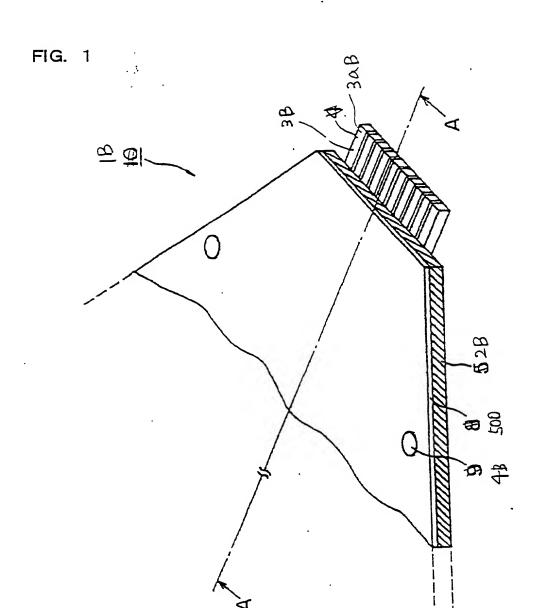
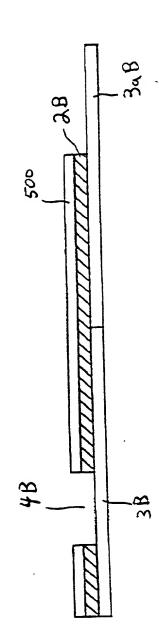
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 1\_ OF\_84\_



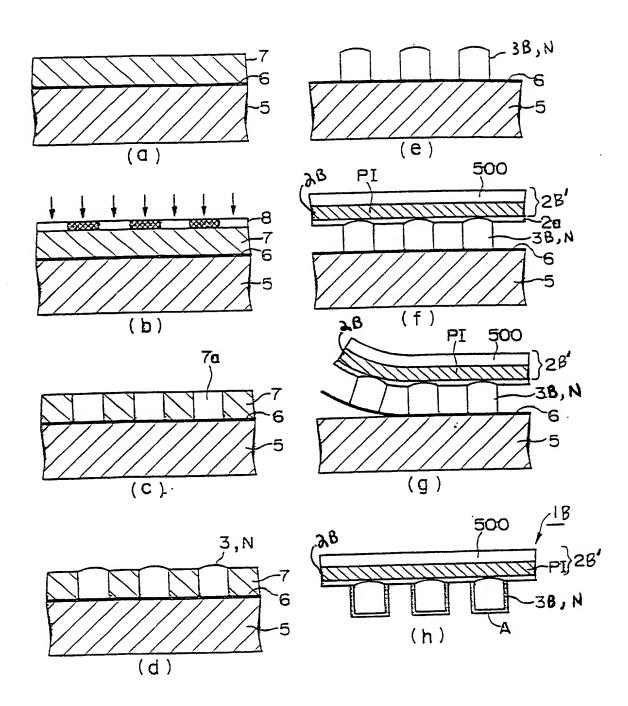
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>2</u> OF <u>84</u>

FIG. 2



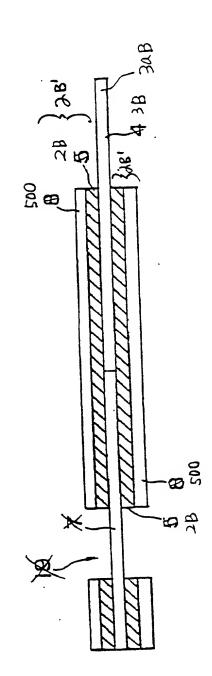
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 3\_OF\_84\_

FIG. 3



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 4 OF 84

FIG. 4



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>5</u> OF <u>84</u>

FIG. 5

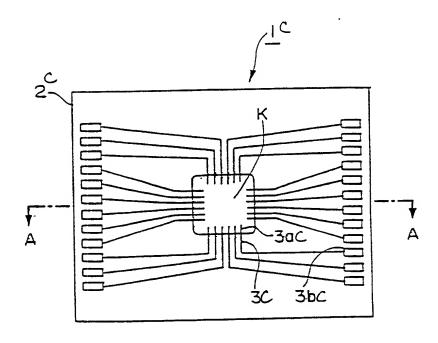
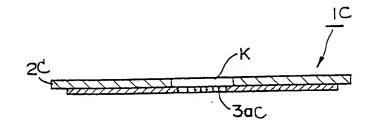
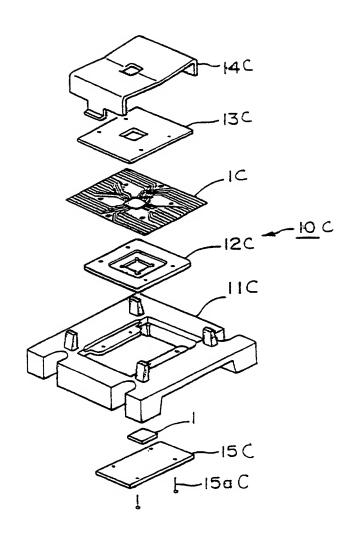


FIG. 6



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 6\_ OF\_84\_\_\_\_.

FIG. 7



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET \_7\_ OF\_\_84\_\_\_\_.

FIG. 8

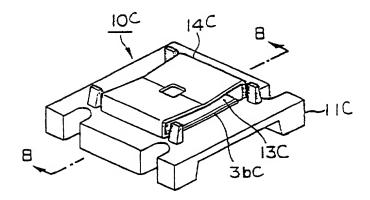
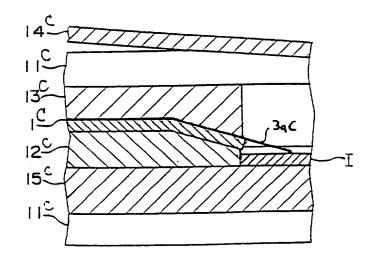
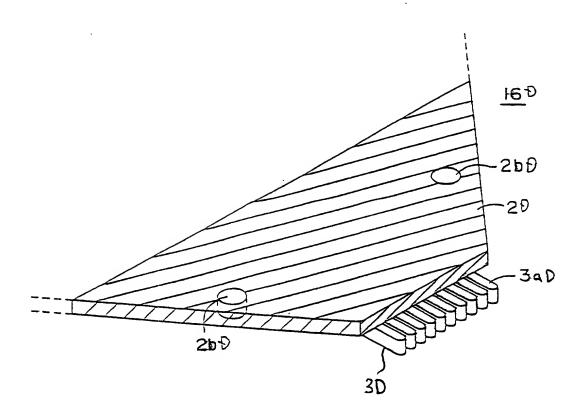


FIG. 9



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKLYQSHIDA ET AL SHEET 8 OF 84 :

FIG. 10



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 9\_OF\_84\_

FIG. 11

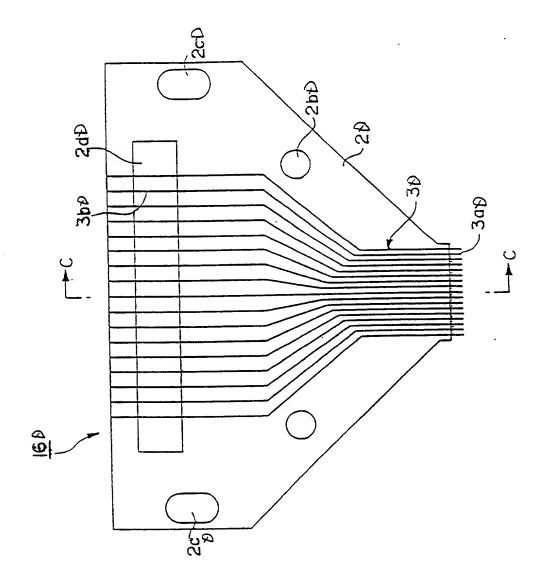
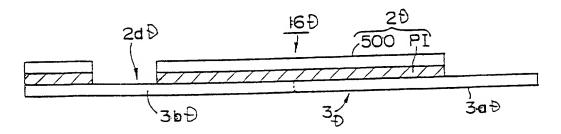
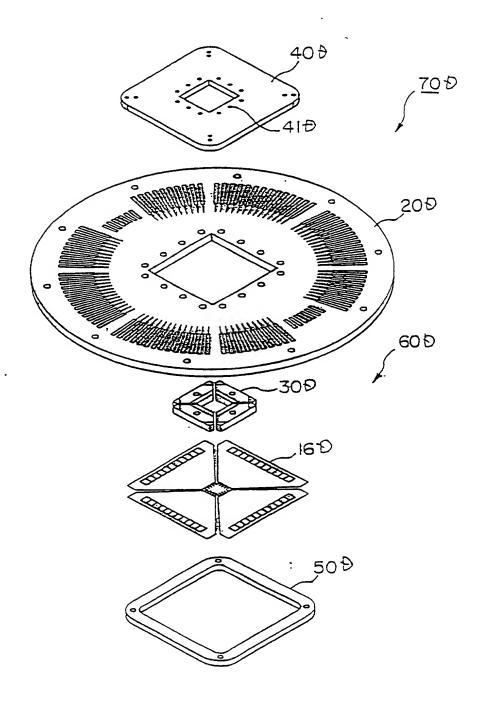


FIG. 12



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 10 OF 84

FIG. 13

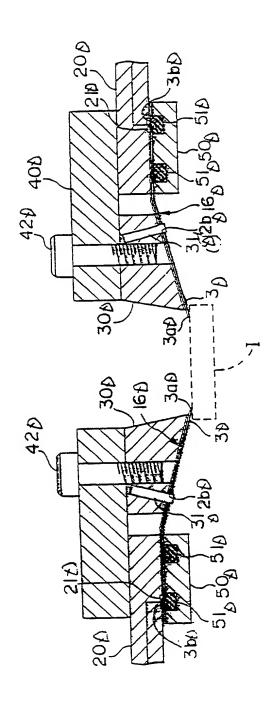


OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 11 OF 84

FIG. 14 70D 20B 308 600

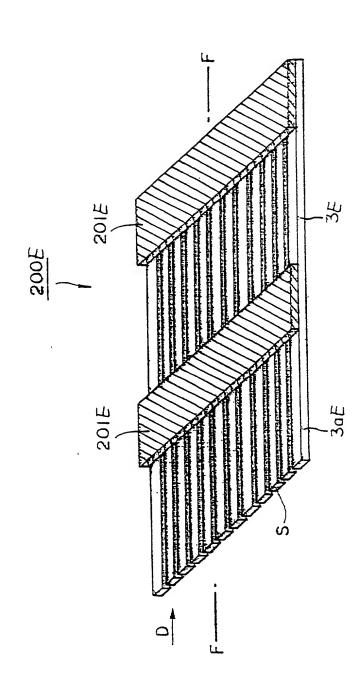
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>12</u> OF <u>84</u>

FIG. 15



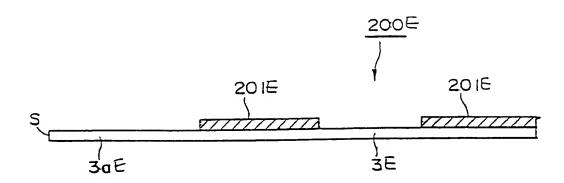
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>13</u> OF <u>84</u>

FIG. 16



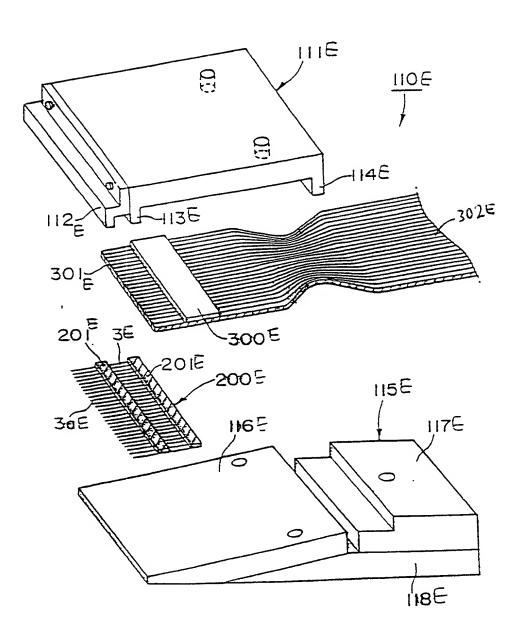
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>14</u> OF <u>84</u> :

FIG. 17



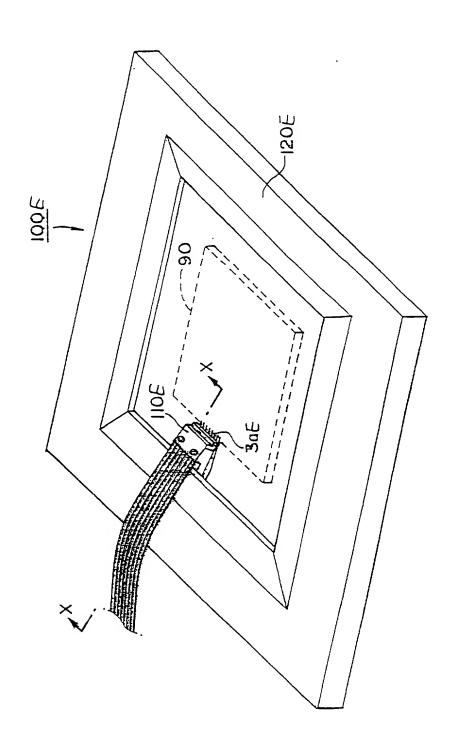
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET \_15\_\_ OF\_\_84\_\_\_.

FIG. 18



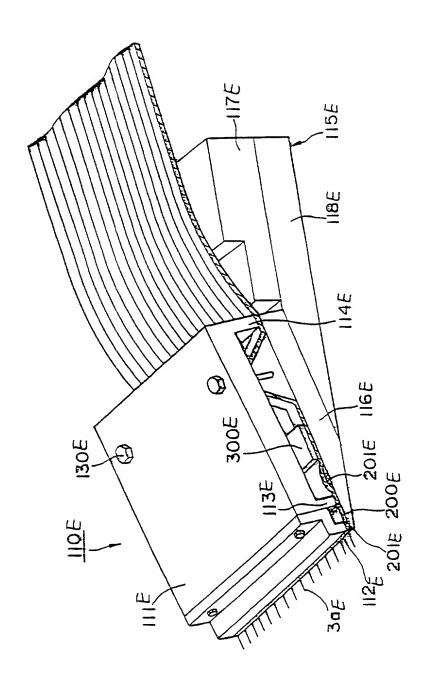
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 16\_ OF\_84\_\_\_.

FIG. 19



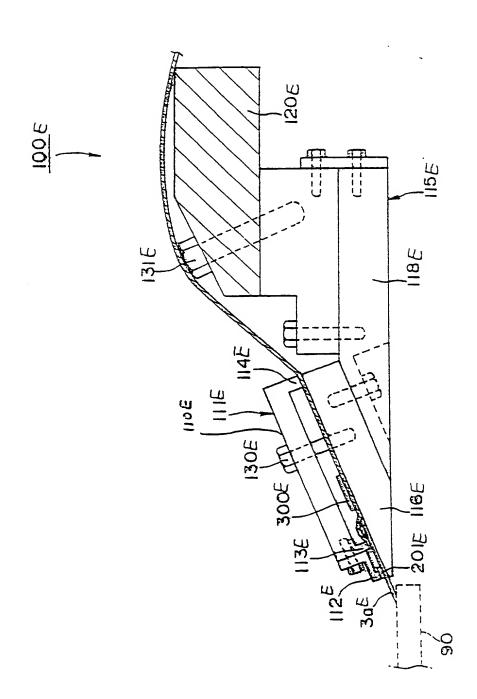
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>17</u> OF <u>84</u>

FIG. 20



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>18</u> OF <u>84</u>

FIG. 21



OBLON, SPIVAK, ET AL **DOCKET #: 219891US-2 DIV** INV: HIDEAKI YOSHIDA ET AL

SHEET <u>19</u> OF <u>84</u>

FIG. 22

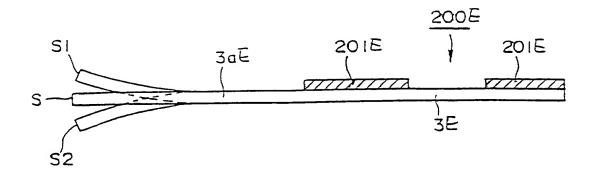
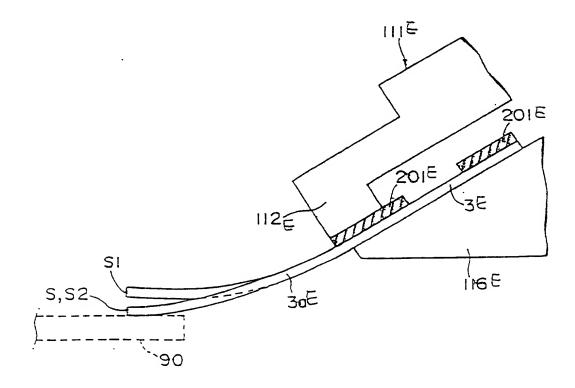


FIG. 23



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>20</u> OF <u>84</u>

FIG. 24

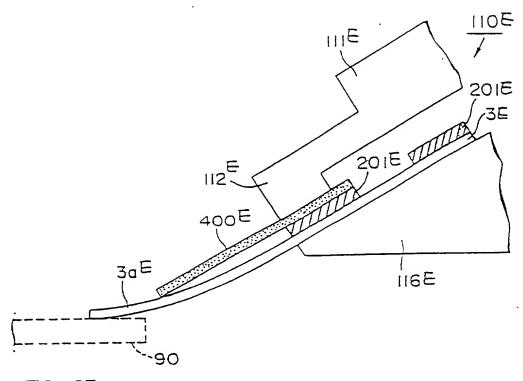


FIG. 25

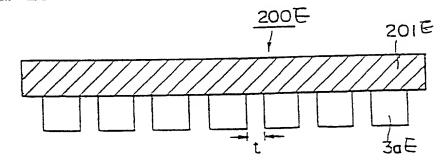
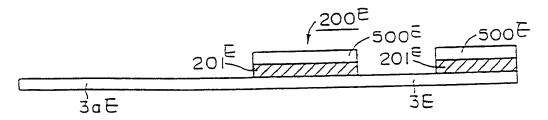


FIG. 26



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 21 OF 84

FIG. 27

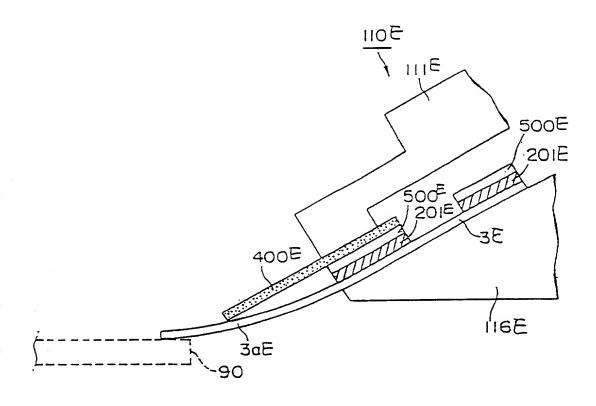
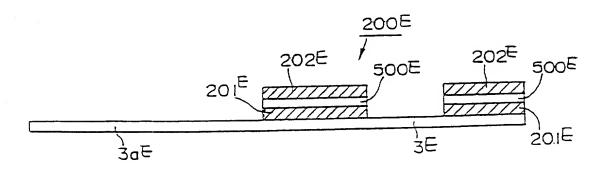


FIG. 28



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 22 OF 84

FIG. 29

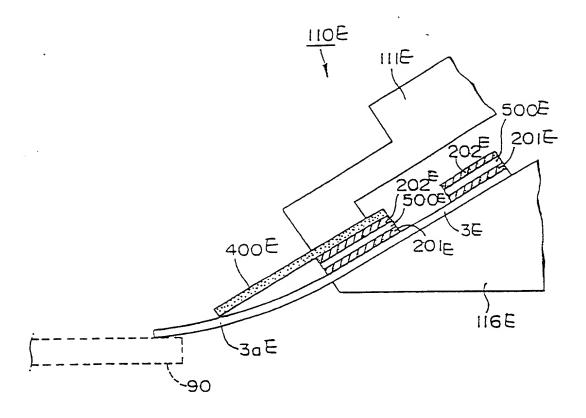
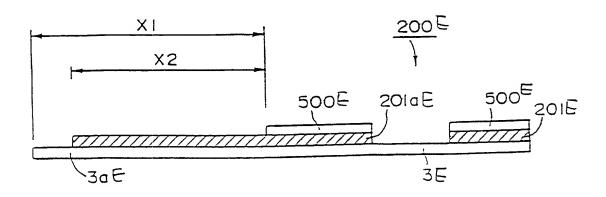


FIG. 30



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 23\_ OF\_84\_

FIG. 31

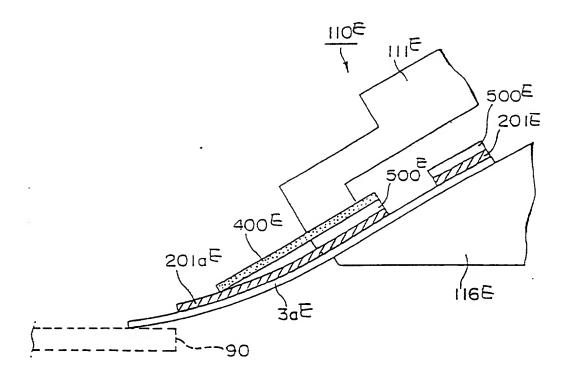
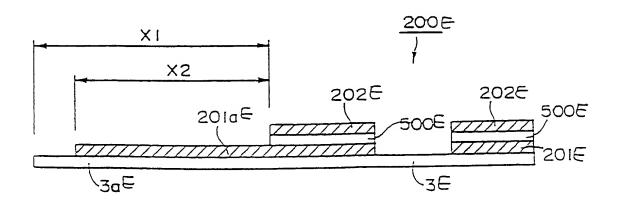
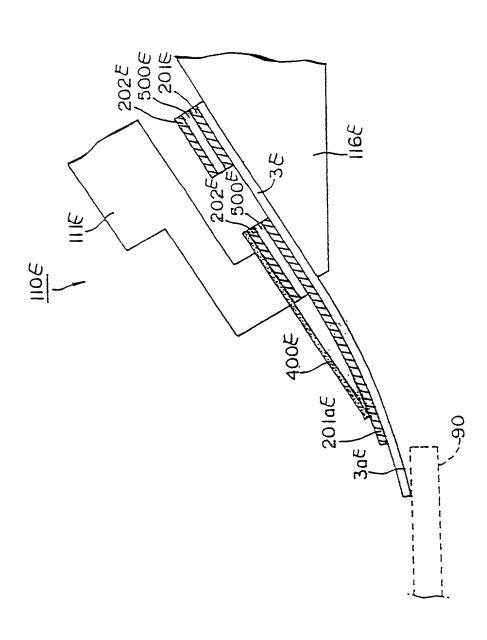


FIG. 32



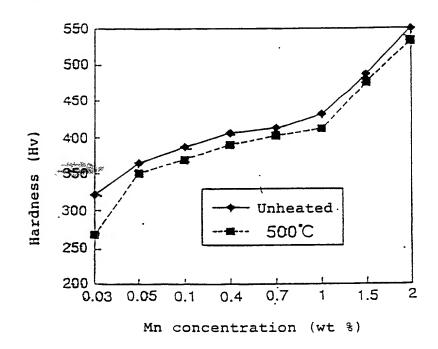
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>24</u> OF<u>84</u> :

FIG. 33



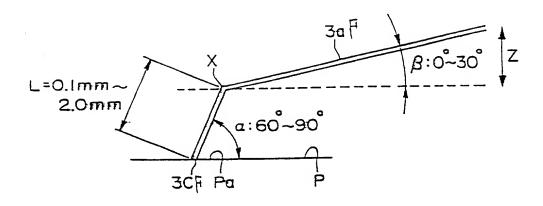
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>25</u> OF <u>84</u> :

Fig. 34



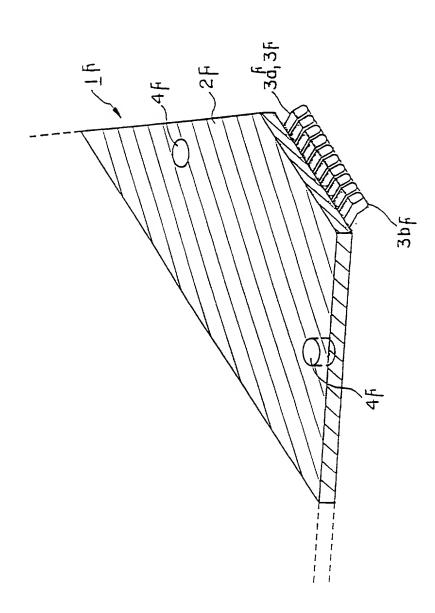
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>26</u> OF <u>84</u>

FIG. 35



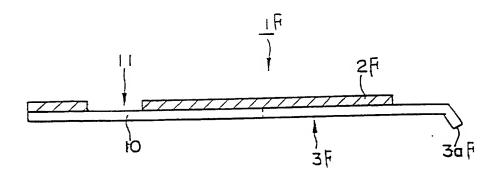
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>27</u> OF <u>84</u>

FIG. 36



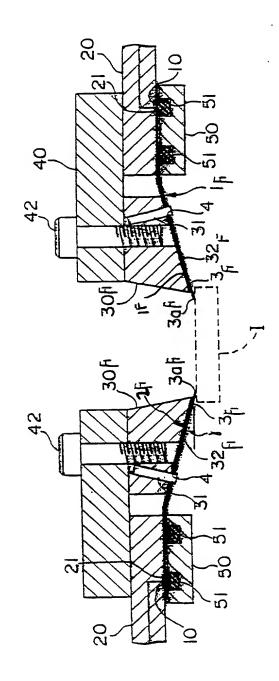
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>28</u> OF <u>84</u> :

FIG. 37



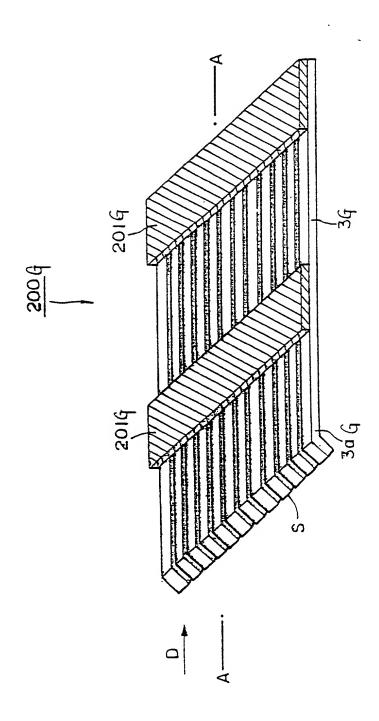
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 29 OF 84

FIG. 38



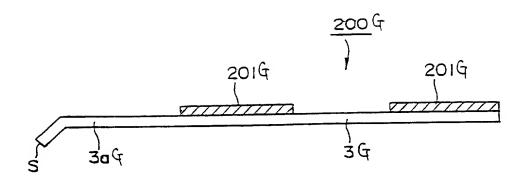
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 30 OF 84 :

FIG. 39



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 31\_ OF\_84\_

FIG. 40



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 32 OF 84

FIG. 41

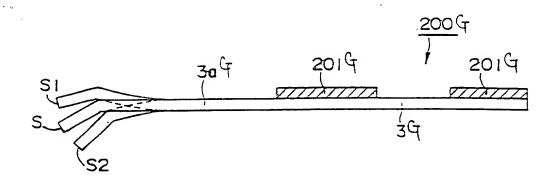
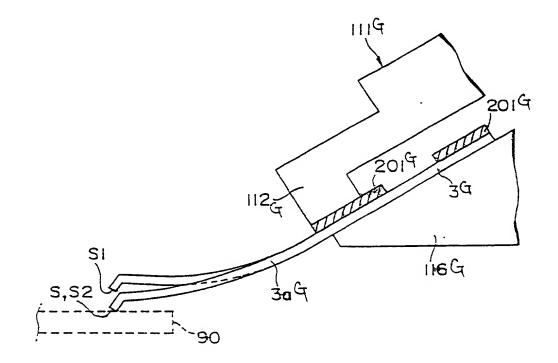
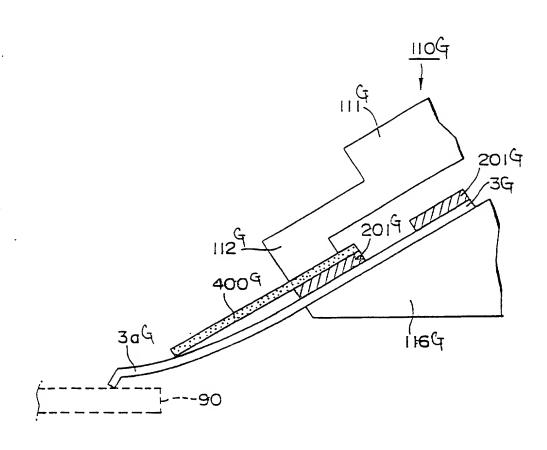


FIG. 42



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 33 OF 84

FIG. 43



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 34 OF 84

FIG. 44

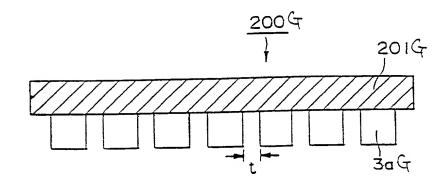
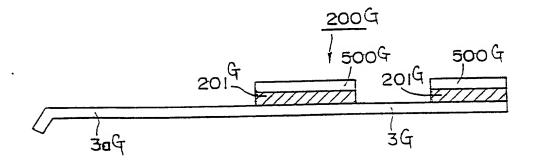
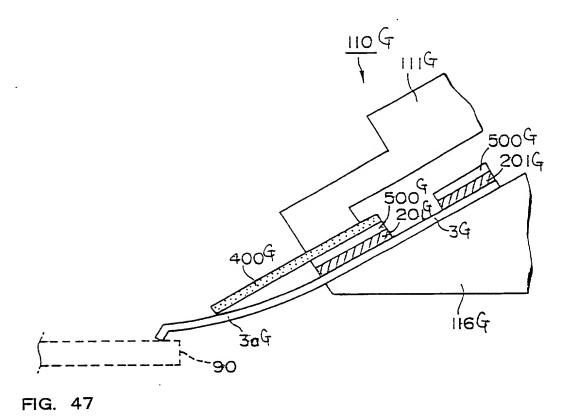


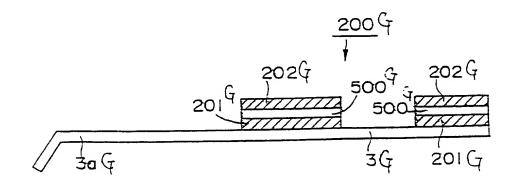
FIG. 45



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 35\_OF\_84\_\_\_\_.

FIG. 46





OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>36</u> OF<u>84</u>

FIG. 48

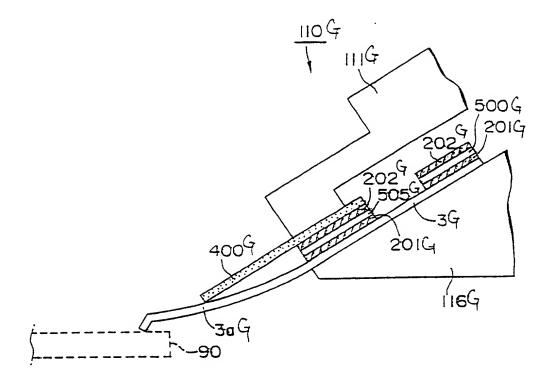
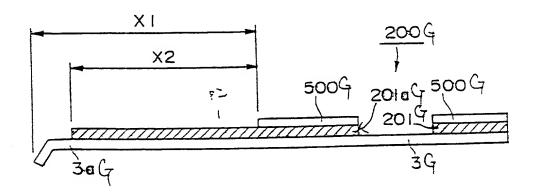


FIG. 49



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 37\_ OF\_84\_\_\_\_

FIG. 50

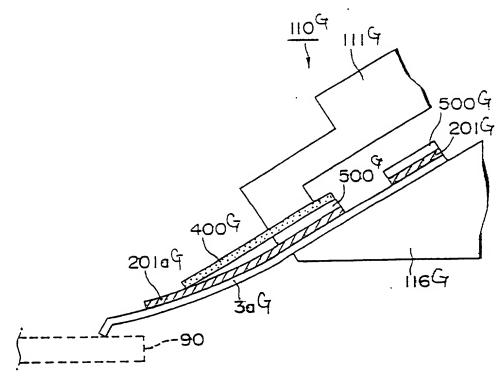
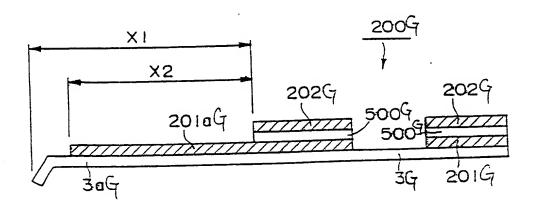
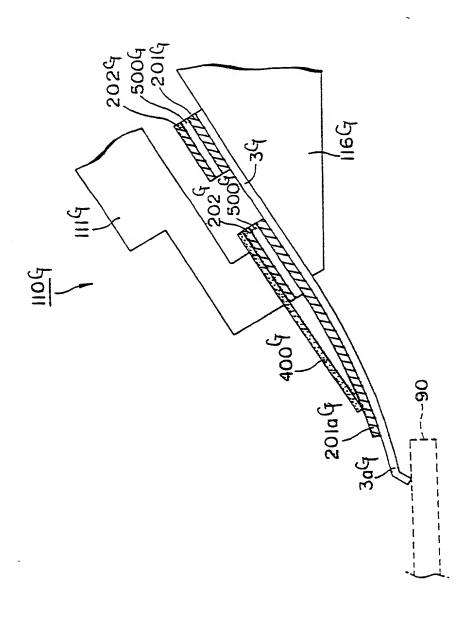


FIG. 51



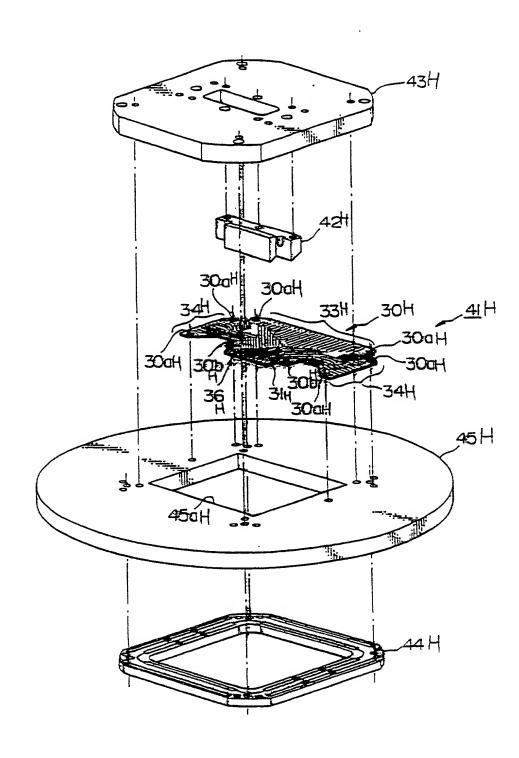
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>38</u> OF <u>84</u>

FIG. 52



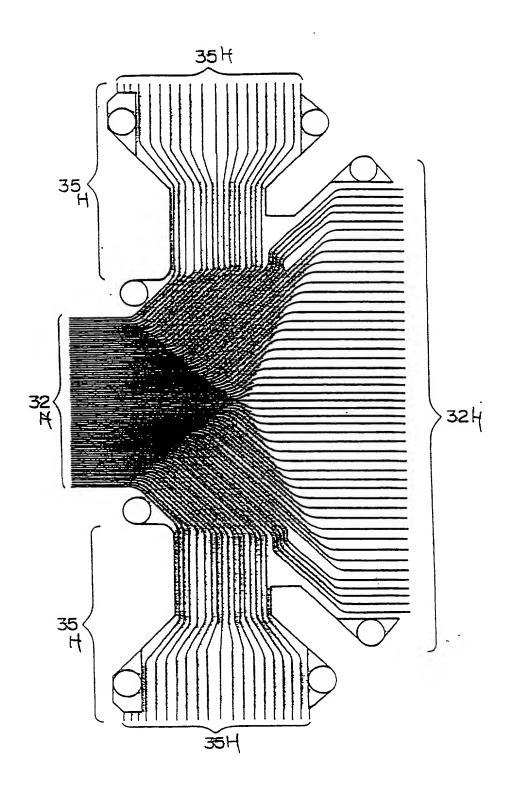
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 39 OF 84

FIG. 53



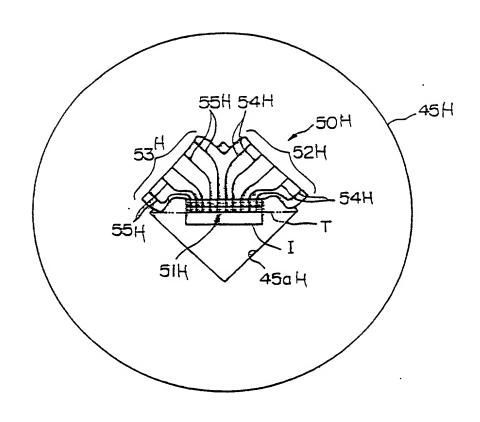
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 40 OF 84

FIG. 54



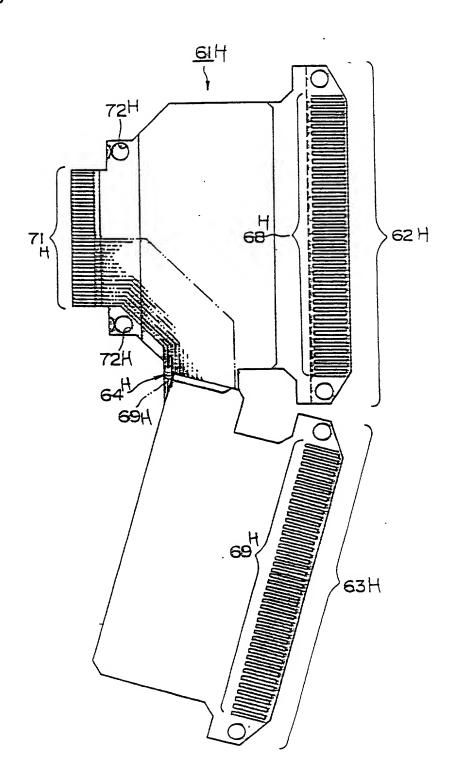
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 41 OF 84 :

FIG. 55



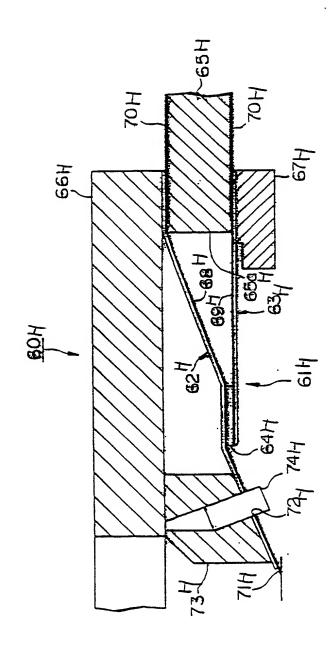
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 42\_ OF\_84\_\_\_\_.

FIG. 56



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 43 OF 84 :

FIG. 57



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 44 OF 84

FIG. 58

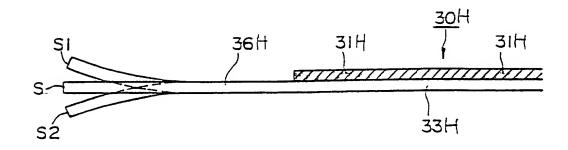
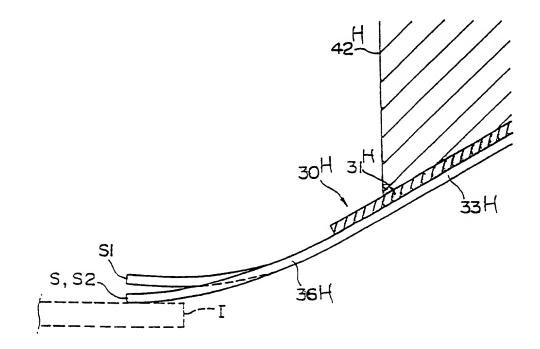


FIG. 59



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 45\_ OF\_84\_

FIG. 60

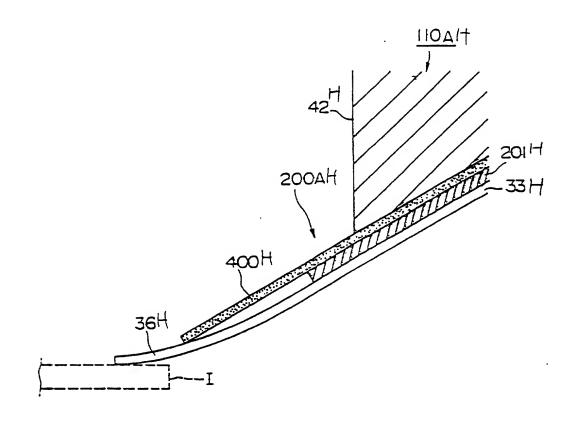
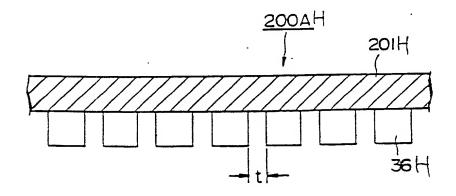


FIG. 61



OBLON, SPIVAK, ET AL OF SOSHIDA ET AL FIG. <sub>6</sub>≤ FIG. ිදු \$0<sub>04</sub> \$,0C\<sup>\\</sup> 364 201 H 500 H 33/4

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET \_47\_\_ OF\_\_84\_\_\_ ·

FIG. 64

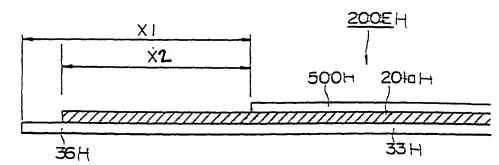
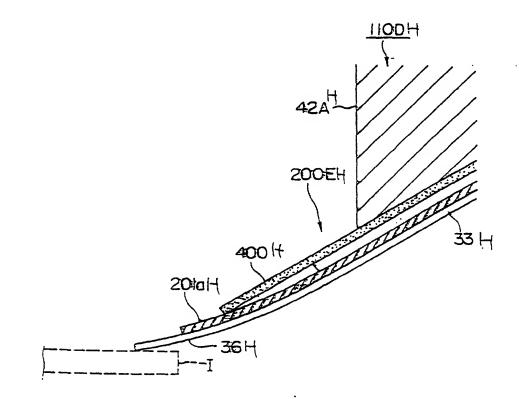
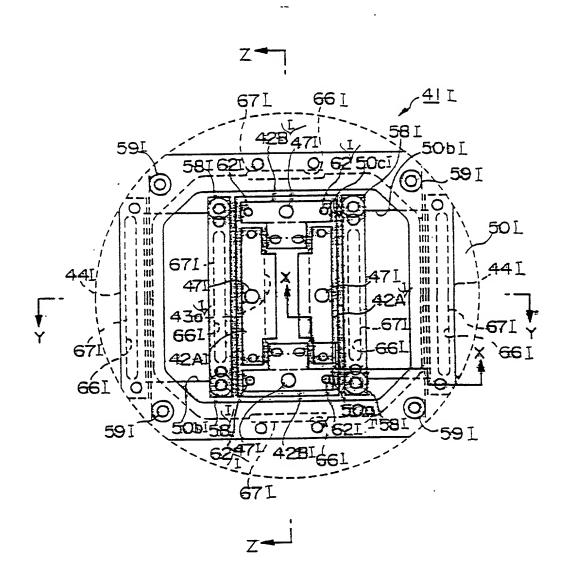


FIG. 65



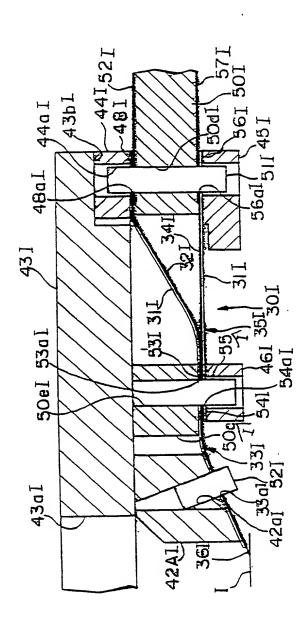
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>48</u> OF <u>84</u> :

FIG. 66



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 49 OF 84 :

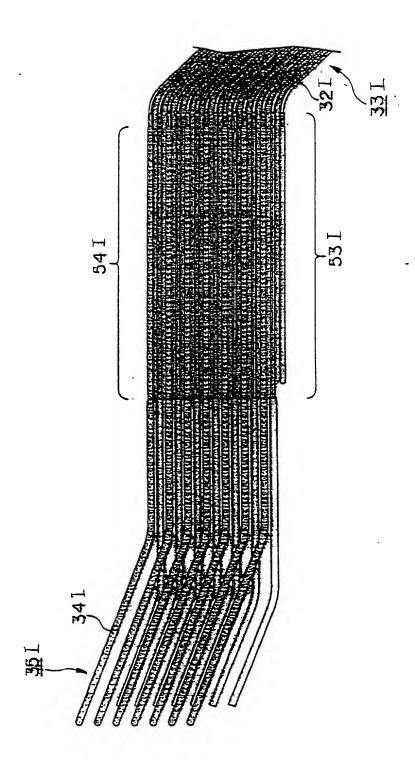
FIG. 67



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>50</u> OF <u>84</u>

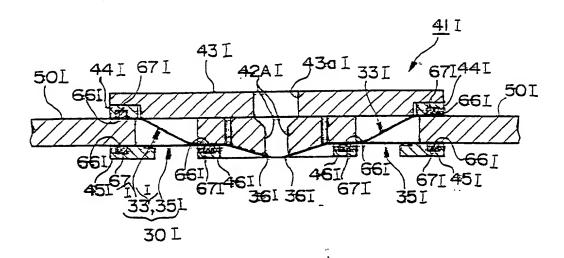
FIG. 68

:.



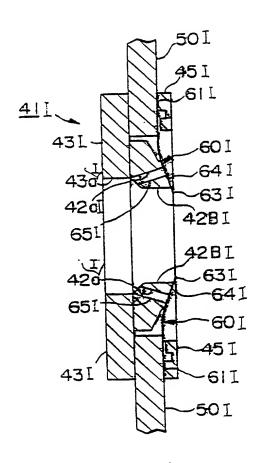
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>51</u> OF <u>84</u> :

FIG. 69



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 52 OF 84

FIG. 70



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>53</u> OF <u>84</u>

FIG. 71

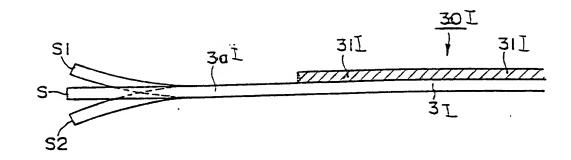
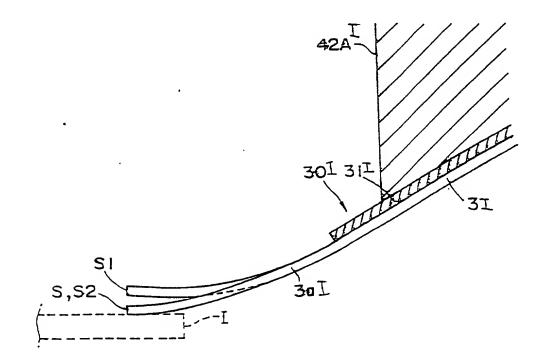


FIG. 72



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>54</u> OF <u>84</u>

FIG. 73

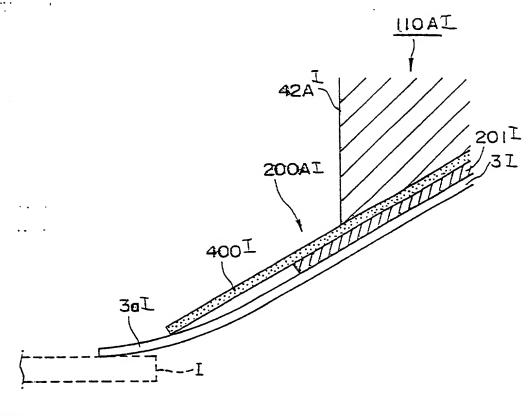
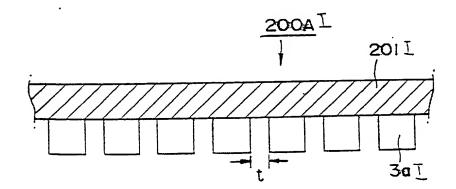


FIG. 74



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>55</u> OF <u>84</u> :

FIG. 75

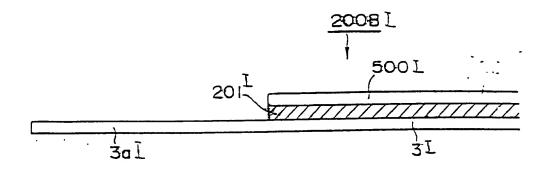
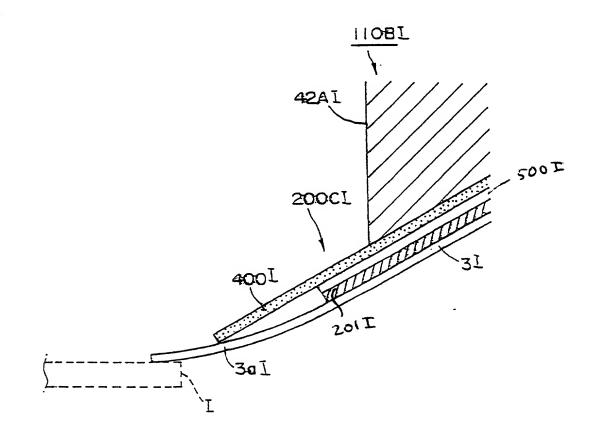


FIG. 76



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>56</u> OF<u>84</u>

FIG. 77

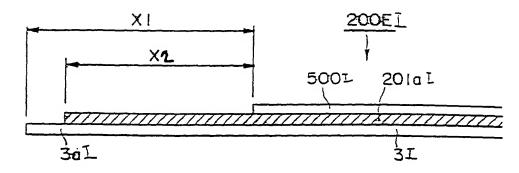
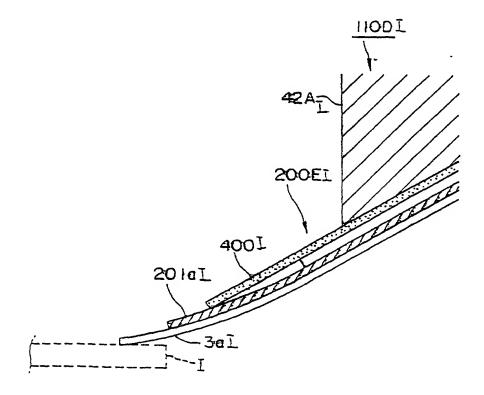


FIG. 78



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>57</u> OF <u>84</u>

FIG. 79

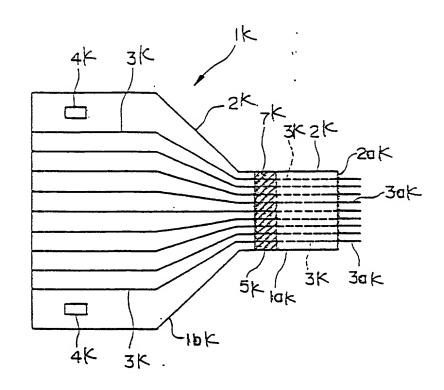
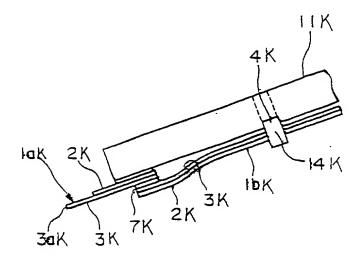


FIG. 80



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>58</u> OF <u>84</u> ...

FIG. 81

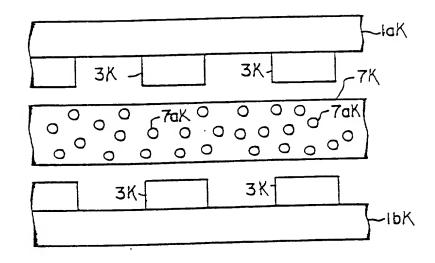
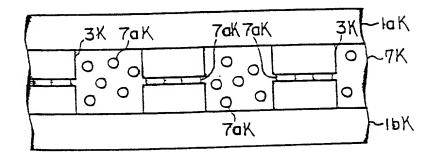
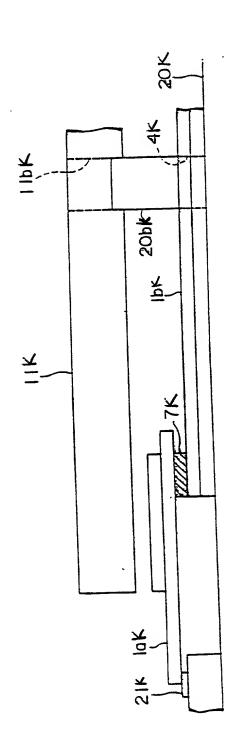


FIG. 82



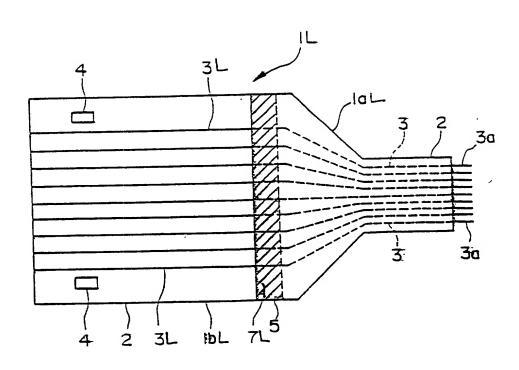
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>59</u> OF <u>84</u> :

FIG. 83



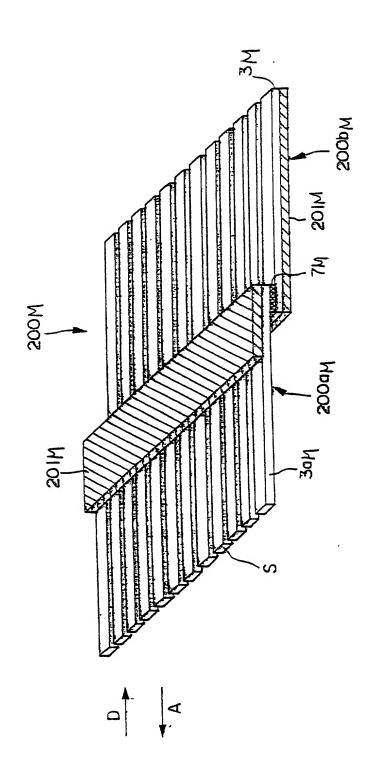
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>60</u> OF <u>84</u> :

FIG. 84



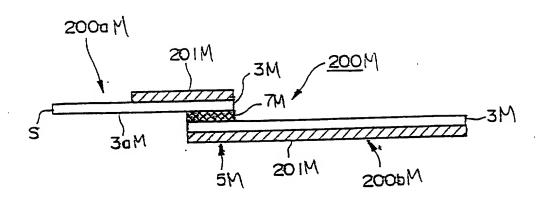
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>61</u> OF <u>84</u>

FIG. 85



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>62</u> OF <u>84</u> .

FIG. 86



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>63</u> OF <u>84</u>

FIG. 87

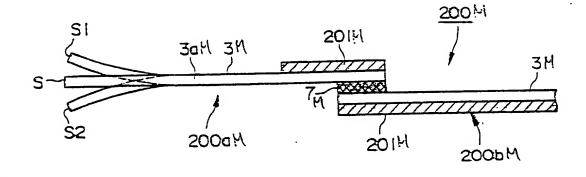


FIG. 88

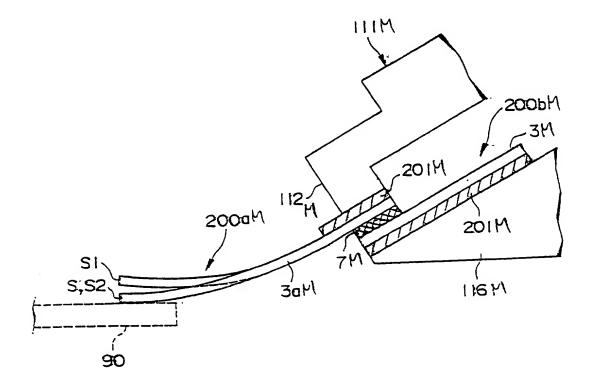
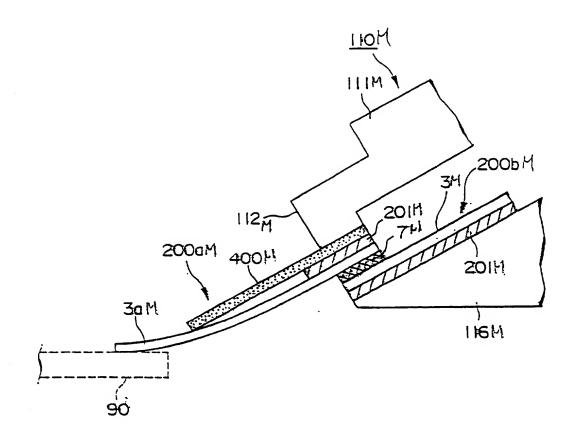
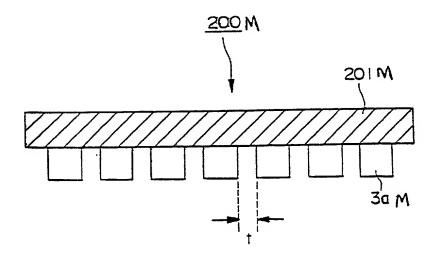


FIG. 89



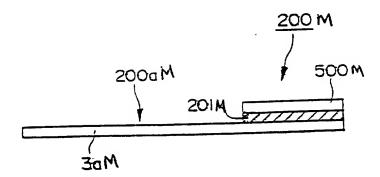
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>65</u> OF <u>84</u>

FIG. 90



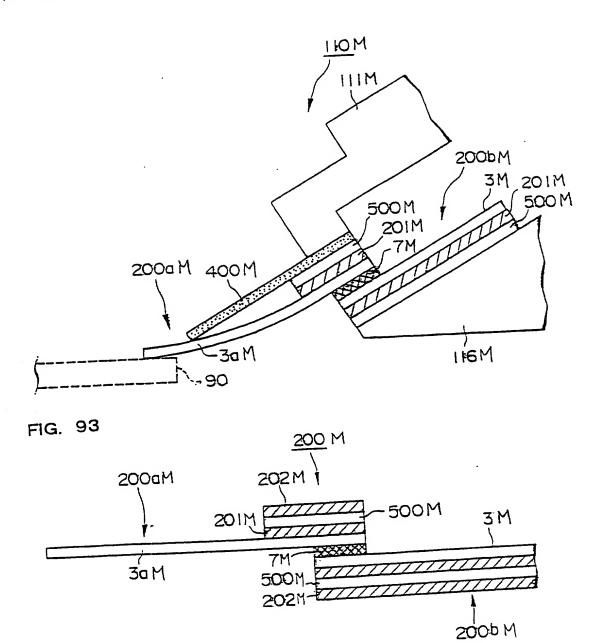
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>66</u> OF <u>84</u> .

FIG. 91



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>67</u> OF <u>84</u> :

FIG. 92



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>68</u> OF <u>84</u>

FIG. 94

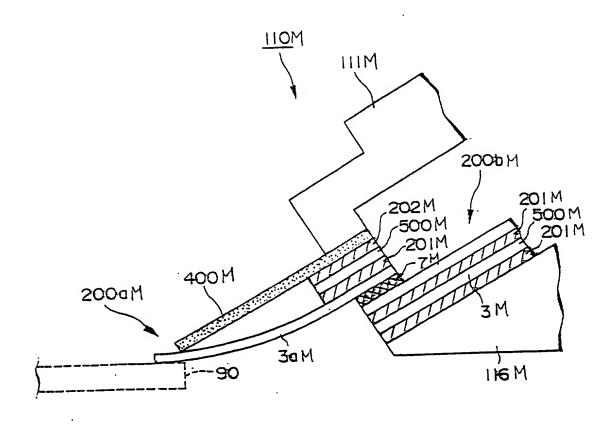
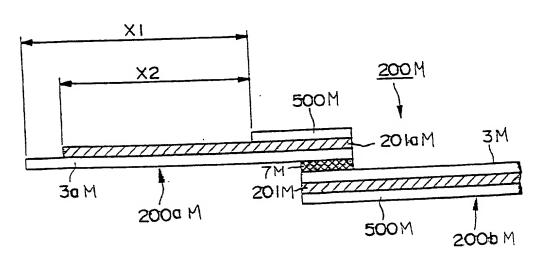


FIG. 95



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 69\_ OF\_84\_\_\_\_\_.

FIG. 96

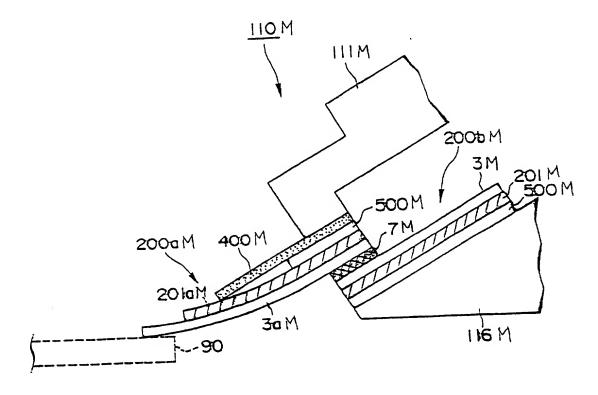
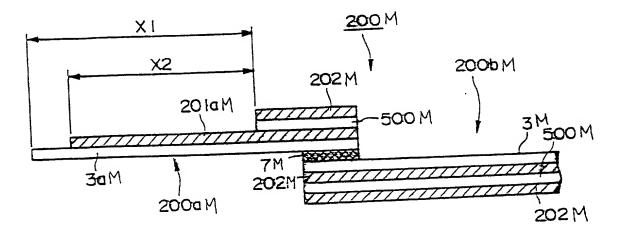


FIG. 97



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>70</u> OF <u>84</u> .

FIG. 98

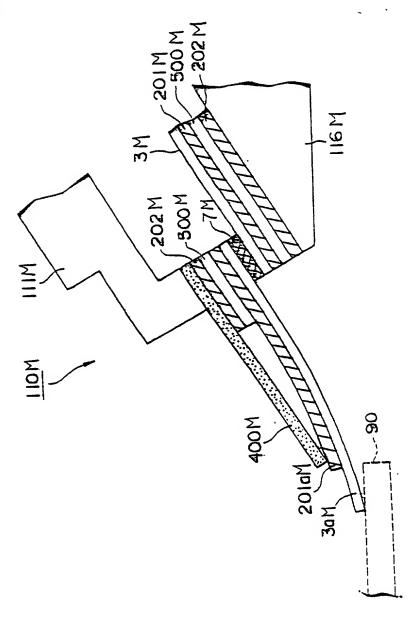
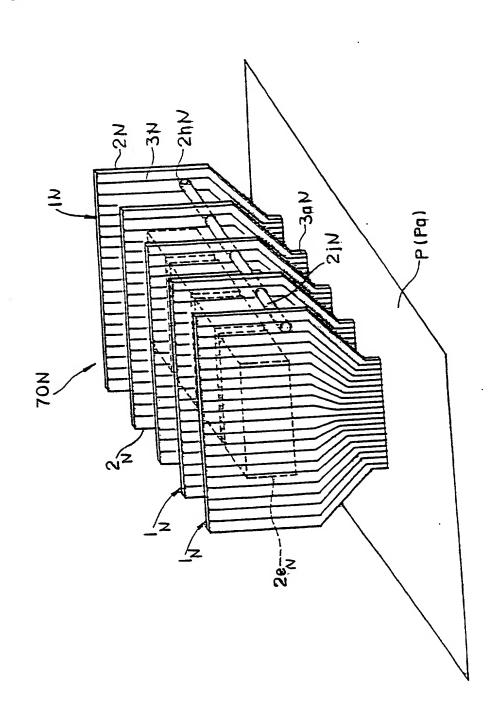


FIG. 99



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>72</u> OF <u>84</u>

Fig. 100

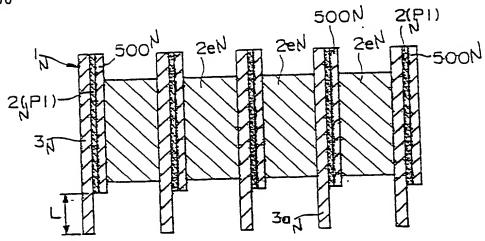
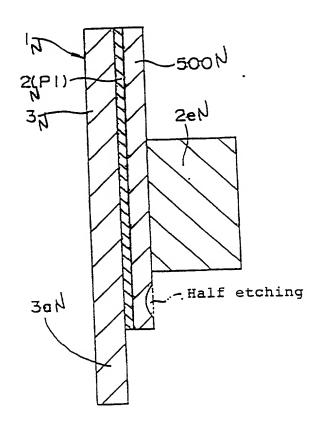
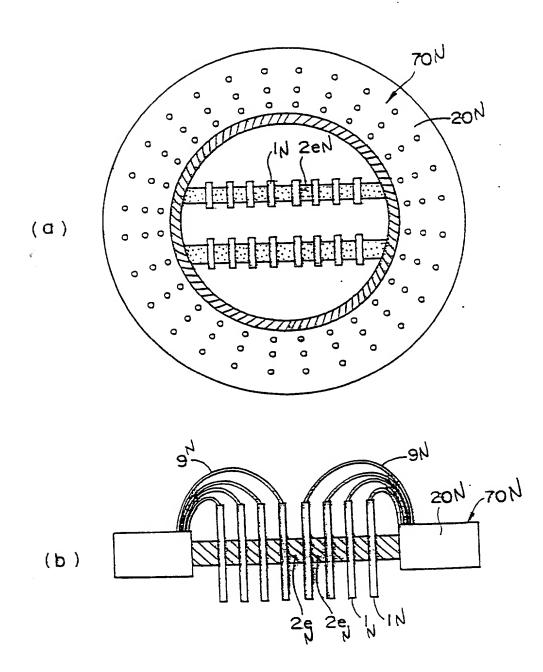


Fig. 101



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>73</u> OF <u>84</u>

FIG. 102



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>74</u> OF <u>84</u>

FIG. 103

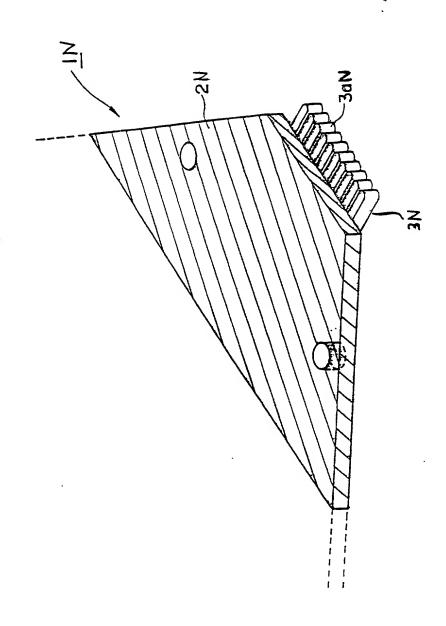
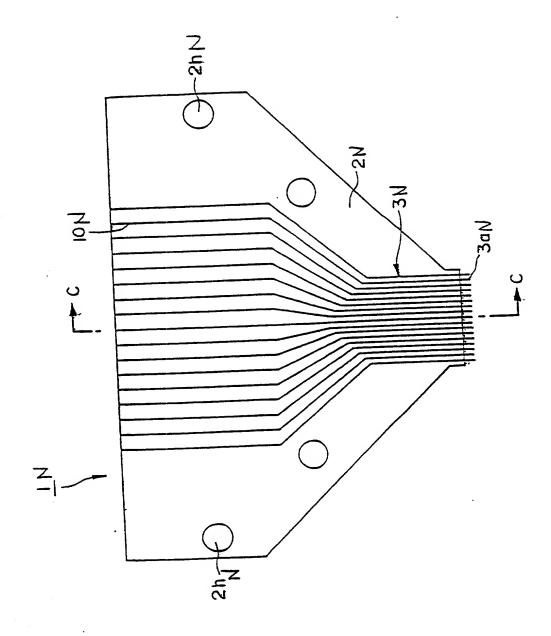
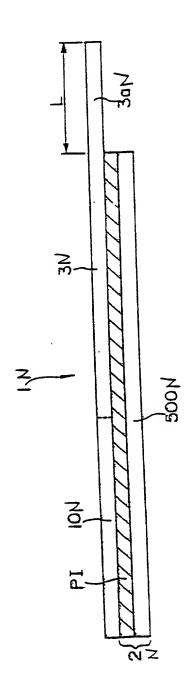


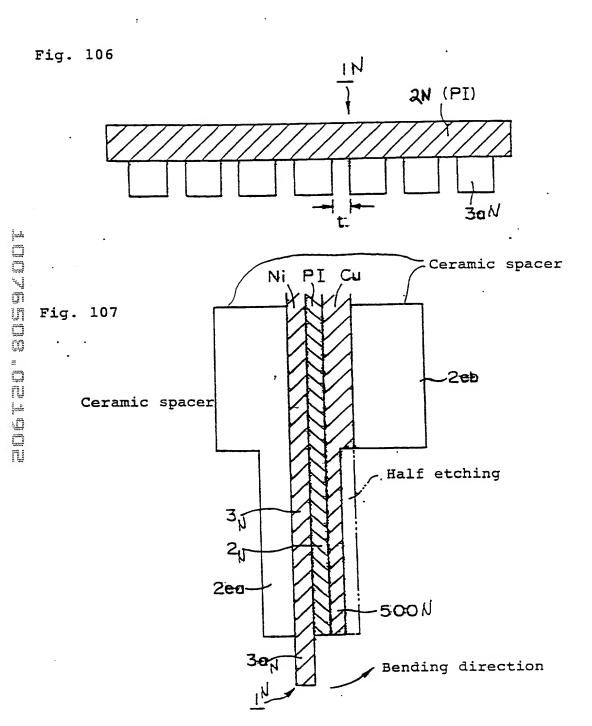
FIG. 104



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>76</u> OF <u>84</u> :

FIG. 105





OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL

SHEET <u>78</u> OF <u>84</u>

FIG. 108

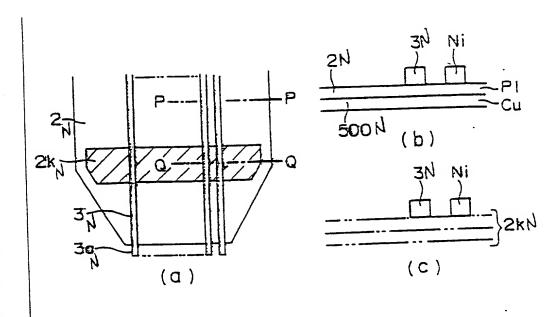
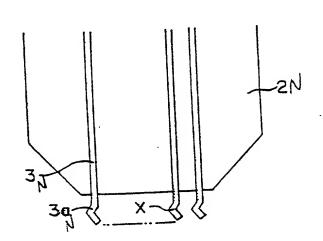
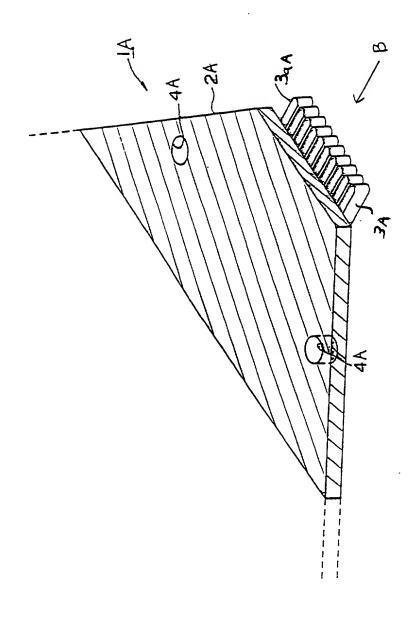


FIG. 109



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>79</u> OF <u>84</u> :

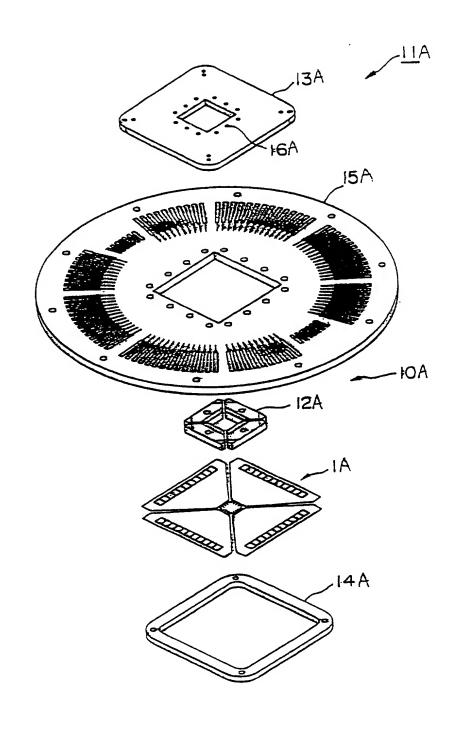
FIG. 110



Background Art

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>80</u> OF <u>84</u>

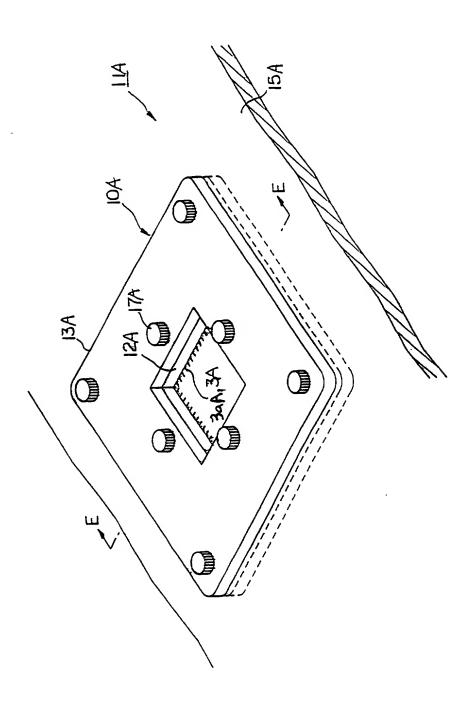
FIG. 111



Background Hr.

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>81</u> OF <u>84</u>

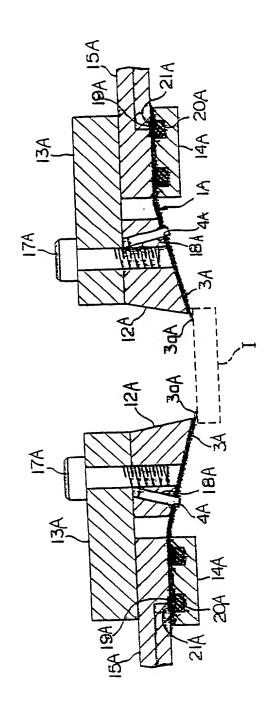
FIG. 112



Backwound Ar-

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>82</u> OF <u>84</u> :

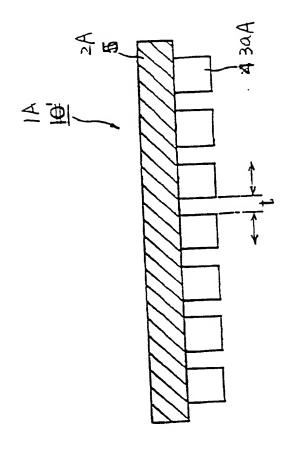
FIG. 113



Bucknound Art

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>83</u> OF <u>84</u> :

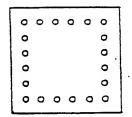
FIG. 114



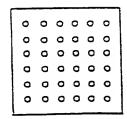
Background Art

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>84</u> OF <u>84</u>

Fig. 115



Peripherally arranged terminals (a)



Planarly arranged terminals (b)

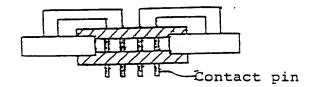
Arrangement of electrode terminals

Fig. 116



Horizontal needle type probe card

Fig. 117



Vertical needle type probe card

Background Hrt